

FIGURINOV, P.

The socialist world system in a new rise. Vop.ekon. no.8:3-15
Ag '58. (MIRA 11:9)

(Economic conditions)

FIGURNOV, Petr Konstantinovich, prof.; PROKOP'YEV, S.P., red.

[Capital and surplus value] Kapital i pribavochnaia
stoimost'. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1959.
75 p. (MIRA 13:2)

(Economics)

VYGODSKIY, S.L., prof., doktor ekon.nauk, glavnyy red.; FIGURNOV, P.K.,
prof., red.; AFANAS'YEV, V.S., kand.ekon.nauk, red.; PROKOP'YEV,
S.P., red.; NAUMOV, K.M., tekhn.red.

[Present-day economic status of capitalist countries] Sovremennoe
ekonomicheskoe polozhenie kapitalisticheskikh stran. Moskva, Izd-vo
VPSH i AON pri TsK KPSS, 1959. 142 p. (MIRA 12:4)

1. Moscow. Akademiya obshchestvennykh nauk. Kafedra politicheskoy
ekonomii.

(Economics)

FIGURNOV, P.K., prof., glavnyy red.; BARANOV, A.A., red.; NAZARENKO,
I.T., red.; PROKOP'YEV, S.P., red.

[Condition of workers in capitalist countries and their class
struggle] Polozhenie i bor'ba rabocheho klassa kapitalisticheskikh stran. Moskva, Izd-vo VPSH i AON pri TsK KPSS, 1959.
301 p. (MIRA 13:2)

1. Moscow. Akademiya obshchestvennykh nauk.
(Labor and laboring classes)

KAPELINSKIY, Yu.M., kand.ekonom.nauk; KISVYANTSEV, L.A.; PANKIN, M.S.;
PEKSHEV, Yu.A., kand.ekonom.nauk; SENIN, V.P.; SYCHEV, V.G.;
FIGURNOV, P.K., prof., red.; SLADKOVSKIY, M.I., doktor ekonom.
nauk, red.; LEVITAN, I.M., red.isd-va; PAVLOVSKIY, A.A.,
tekh.n.red.

[Growth of the economy and the foreign commerce of the Chinese
People's Republic] Razvitie ekonomiki i vneshneekonomicheskikh
svyazei Kitaiskoi Narodnoi Respubliki. Moskva, Vneshtorgizdat,
1959. 559 p. (MIRA 12:6)

(China--Economic conditions) (China--Commerce)

ALLAKHVERDYAN, D.A., prof.; AMINOV, A.M., doktor ekon. nauk; AGLAS, M.S., prof.; D'YACHENKO, V.V., dots.; ZLOBIN, I.D., prof.; KADYSHEV, L.A., dots.; KARNAUKHOVA, Ye.S., prof.; KOTOV, G.G., prof.; LEVITANUS, I.M., dots.; LIVSHITS, A.L., dots.; LYAPIN, A.P., prof.; MAKAROVA, M.F., prof.; MASLOV, P.P., prof.; SONIN, M.Ya., doktor ekon.nauk; SOROKIN, G.M.; STRUMILIN, S.G., akademik; TUMANOVA, L.V., dots.; TUROVTSEV, V.I., dots.; FIGURNOV, P.K., prof.; MOKHOVA, N.I., dots., red.; SHCHERBAKOVA, V.V., dots., red.; SHVEYTSEV, Ye.K., red.; MURASHOVA, V.A., tekhn. red.

[The economics of socialism] Politicheskaya ekonomiya sotsializma. Izd.2., perer. Moskva, Gos.izd-vo "Vysshaya shkola," 1962. 614 p. (MIRA 16:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Sorokin).
(Economics) (Communism)

FIGURINOV, S.

Main forms in the increase of real wages in the U.S.S.R. Sots.
trud 4 no.5:48-56 My '59. (MIRA 12:8)
(Wages)

FIGURNOV, S.

Methodology for computing real income and real wages of workers
in the U.S.S.R. *Biul.nauch.inform.: trud i zar.plata* no.12:44-48
'59. (Wages) (Income) (MIRA 13:10)

FIGURNOV, Sergey Petrovich. Prinimal uchastiye PRAVDIN, D.I.;
BUDARINA, V., red.; MOSKVINA, R., tekhn. red.

[The building of communism and the growth of the people's
prosperity] Stroitel'stvo kommunizma i rost blagosostoiania
naroda. Moskva, Sotsekgiz, 1962. 204 p. (MIRA 16:3)
(Russia—Economic policy)
(Cost and standard of living)

FIGURNOV, Ye.P., kandidat tekhnicheskikh nauk.

Irregular movement of trains as an element in accounting calculations
concerning power supply systems. Trudy MEMIIT no.63:95-116 '53.

(Electric railroads--Accounting)

(MLBA 7:12)

FIGURNOV, Ye.P., dotsent.

Selecting the wire section of contact systems according to economy of
current density. Trudy RIIZHT no.19:92-102 '55. (MIRA 9:7)
(Electric railroads--Wires and wiring)

FIGURENOV, Ye.P., dotsent.

On the degree of accuracy of power supply calculations for electric
railroads. Trudy RIIZHT no.19:103-114 '55. (MIRA 9:7)
(Electric railroads)

Figurnov, Ye.P.
PUKHOV, Ye.M., kand.tekhn.nauk (Rostov-na-Donu); FIGURNOV, Ye.P., kand.
tekhn.nauk (Rostov-na-Donu).

Synchronous electric engines as a means of increasing the power
coefficient. Zhel.dor.transp. 39 no.9:77-78 S '57. (MIRA 10:10)
(Electric locomotives)

FIGURNOV, Ye.P., kand.tekhn.nauk

Statistical control of the calculation methods for the power supply system of electric railroads. Izv.vys.ucheb.zav.; energ. 2 no.10: 16-24 0 '59. (MIRA 13:3)

1. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta. Predstavlena kafedroy elektricheskikh stantsiy i setey. (Electric railroads)

FIGURNOV, Ye.P., kand. tekhn. nauk

Methods for designing the electric power supply system of
electric railroads. Zhel. dor. transp. 41 no.10:30-32 0 '59.
(MIRA 13:2)

(Electric railroads--Traffic)

FIGURNOV, Ye.P., kand.tekhn.nauk (g.Rostov-na-Donu)

Rectifier-type electric locomotive for sections with direct and
alternate current. Zhel.dor.transp. 42 no.5:59-60 My '60.

(MIRA 13:9)

(Electric locomotives)

FIGURNOV, Ye.P., kand.tekhn.nauk

Comparison of the engineering and economic features of
different alternatives of railroad electrification.

[Trudy] LIIZHT no.193:244-248 '62.

(MIRA 15:12)

1. Rostovskiy institut inzhenerov zheleznodorozhnogo
transporta.

(Railroads—Electrification)

FIGURNOV, Yevgeniy Petrovich, kand.tekhn.nauk, dotsent

Temperature compensation of e.m.f. Hall transducers. Izv. vys.
ucheb. zav.; elektromekh. 6 no.5:605-610 '63. (MIRA 16:9)

1. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta.
(Transducers) (Semiconductors)

ACCESSION NR: AP4015237

S/0144/63/000/012/1338/1345

AUTHOR: Figurnov, Yevgeniy Petrovich (Candidate of technical sciences, Docent)

TITLE: Calculating Hall generator

SOURCE: IVUZ. Elektromekhanika, no. 12, 1963, 1338-1345

TOPIC TAGS: Hall generator, Hall emf, Hall generator calculation

ABSTRACT: A Hall-generator circuit with the voltage (or current) and magnetic flux density as inputs and the power as an output is considered. Formulas are developed for the input and output powers in d-c and a-c circuits; e.g., the output power for the case of an ac-voltage input is given by:

$$P_{\text{out}} = \left(\frac{U_m R_{\text{H}} B_m E d 10^{-4}}{\sqrt{18M}} \right)^2 \left[4 \cos^2 \psi + 1,5 \left(\frac{M E_1}{M_1 E} \right)^2 (1,5 - \sin^2 \psi) + 0,5 \left(\frac{M E_2}{M_2 E} \right)^2 (1 + 2 \sin^2 \psi) \right] r_n$$

Card 1/2

ACCESSION NR: AP4015237

where U_m and B_m are the input crest voltage and flux density, R_{∞} is the Hall constant of a limited-length generator at zero flux density, d is the plate thickness,

$$M = d^2 Dr_{m0}(1 + bB_m^2) + R_{\infty}' R_{\infty}'' E^2 10^{-8};$$

$$M_1 = d^2 Dr_{m0}(1 + 0,75bB_m^2) + R_{\infty}' R_{\infty}'' E_1^2 10^{-8};$$

$$M_2 = d^2 Dr_{m0}(1 + 0,25bB_m^2) + R_{\infty}' R_{\infty}'' E_2^2 10^{-8};$$

$$D = r_n + r_{\infty}(1 + bB_m^2); \quad E = 1 - aB_m^2;$$

r is the load resistance. Experimentally determined physical data and design coefficients for Soviet-made InSb, InAs, HgSe, and Ge plates are supplied. Orig. art. has: 4 figures, 28 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 16May63

DATE ACQ: 07Feb64

ENCL: 00

SUB CODE: PH, GE

NO REF SOV: 005

OTHER: 000

Card 2/2

FIGURNOV, Ye.P., kand. tekhn. nauk, dotsent

Optimum parameters of a system for supplying power to electric
railroads. Izv. vys. ucheb. zav.; energ. 6 no.9:37-44 S '63.
(MIRA 16:12)

1. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta.
Predstavlena nauchno-tehnicheskoy konferentsiyey.

FIGURNOV, Ye.P., kand.tekhn. nauk, dotsent

Nonuniform cross section of the wires of a contact network. Izv. vys.
ucheb. zav.; energ. 6 no.12:7-13 D '63. (MIRA 17:1)

1. Rostovskiy institut inzhenerov zheleznodorozhnogo transporta. Pred-
stavlena kafedroy elektrotekhniki i energosnabzheniya.

FIGURNOV, Ye.P.; SAMSONOV, Yu.Ya.

Measurement of the temperature of a rotating armature of an
electrical machine. Sbor. st. RIIZHT no.45:99-101 '64.
(MIRA 19:1)

FIGUROVSKAYA, Ye.N.; KISELEV, V.F.; VOL'KENSITSEYN, F.F.

Effect of chemisorption of oxygen on the work function and
conductance of titanium dioxide. Dokl. AN SSSR 161 no.5:1142-
1145 Ap '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet i Institut fizicheskoy
khimii AN SSSR. Submitted October 28, 1964.

FIGUROVSKIY, D.A.

Use of the demonstration timer. Fiz.v shkole 14 no.2:44-46
Mr-Ap '54. (MIRA 7:2)

1. Gorod Novosibirsk, Elektromekhanicheskiy tekhnikum.
(Physical instruments)

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413010020-0"

extend the nature of the measuring system and the values

FIGUROVSKIY, I.A.

Manufacture of glassware by the centrifugal method. Leg.prem.16
no.1:42-44 Ja '56. (MLRA 9:6)

1.Glavnyy inzhener Gusevskogo khrustal'nogo zavoda.
(Glass manufacture)

GINZBURG, D.B.; FIGUROVSKIY, I.A.; SOBOLEVSKIY, S.I.

Efficiency promotion of the gas supply system at the Gusev
Crystal Glass Works. Gaz.prom. 4 no.9:22-26 S '59.

(MIRA 12:11)

(Gusev--Glass manufacture) (Gas producers)

SAVONICHEV, G.V.; FIGUROVSKIY, I.A.; KALMYKOV, V.I.; BYKOV, V.V.

Conveyor-production line system of manufacturing and treating
high-quality dishes. Stek. i ker. 18 no.7:15-18 J1 '61.
(MIRA 14:7)

(Gusev—Glassware)

FIGUROVSKIY, K..

Fire prevention measures in the lumbering industry in Finland.
Pozh. dele 5 no.10:31-32 0 '59. (MIRA 13:2)
(Finland--Saw mills--Fires and fire prevention)

FIGUROVSKIY, K.

Standard design for wood-flour shops. Pozh.delo 7 no.10:5-6
0 '61.

(Woodworking industries—Fires and fire prevention) (MIRA 14:10)

FIGUROVSKIY, K.

Made from compressed wood particles. Pozh.delo 8 no.8:12-13

Ag '62. (MIRA 15:8)

(Wood-using industries--Fires and fire prevention)

FIGUROVSKIY, K.

Wood wastes are valuable raw material. Pozh.delo 9 no.5:10 My
'63. (MIRA 16:5)

(Wood-using industries—Fires and fire prevention)

FIGUROVSKIY, K.

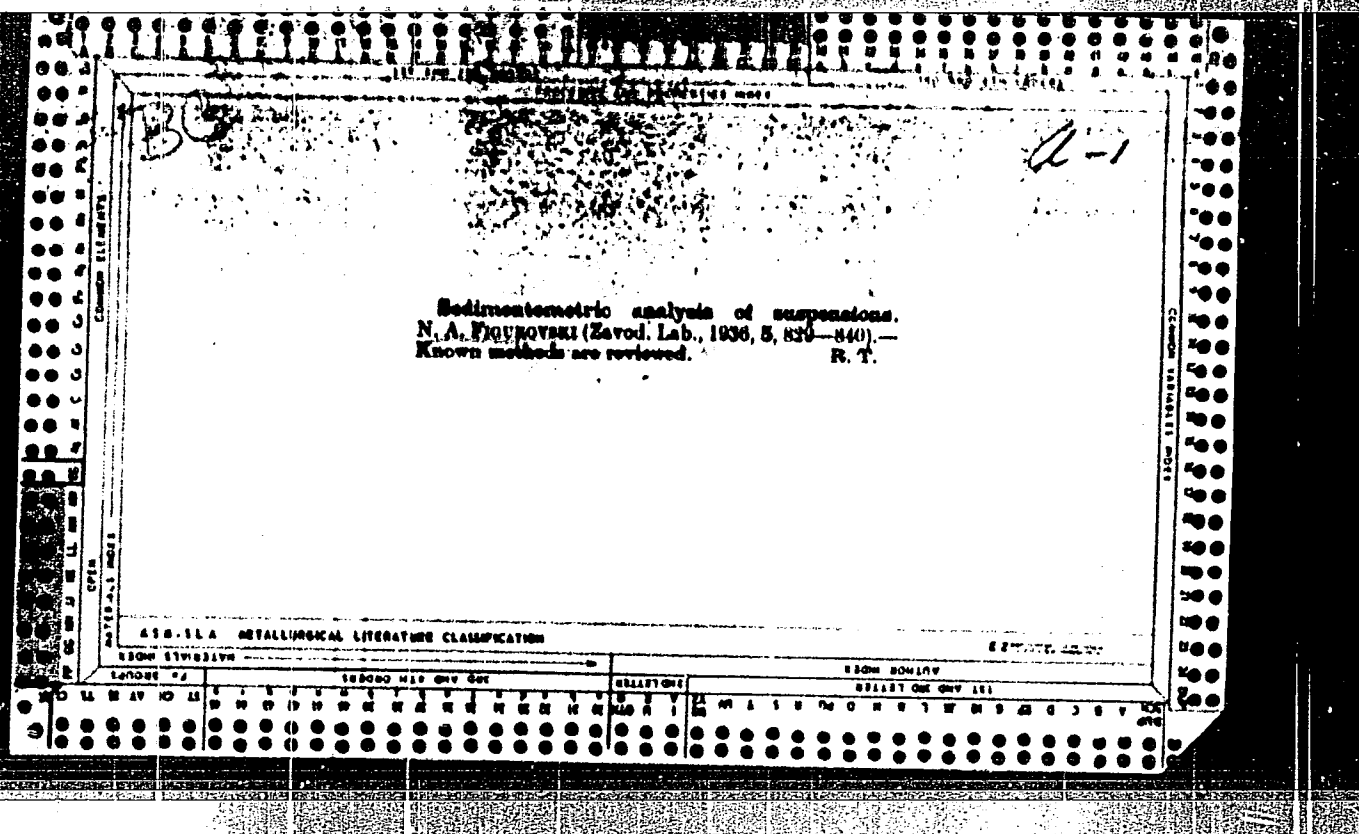
Standard project of a wood-fiberboard plant. Pozh.delo 10 no.2:
22-23 F '64. (MIRA 17:3)

FIGUROVSKIY, N. A.

"History of Natural Science" (Istoriya Yestestvoznaniya), compiled by O.A. Starosel'skaya-Nikitina assisted by O.Z. Krasnoukhova and Yu. D. Katsenel'son, edited by D. D. Ivanov and N. A. Figurovskiy, Academy of Sciences of USSR, Moscow/Leningrad, 1919, 516 pages, 55 rubles.

Bibliographical data on materials published from 1917 to 1947 by Soviet scientists.

SO: Uspekhi Khimii, Vol 18, #6, 1949; Vol 19, #1, 1950 (W-10083)



[illegible]

*Causes of Loss of Platinum in the Oxidation of Ammonia at a Platinum
 Gause. N. A. Figurinski (Zaur. Priklad. Khimii (J. Applied Chem.),
 1930, 8, (1), 37-48; *Ibid.* Chem. Abn., 1930, [1], 452). [In Russian.] Nitric
 acid prepared by the contact oxidation of ammonia contains about 100 mg.
 of platinum per ton, present to a small extent in solution, but chiefly as a
 suspension of angular particles 0.006-0.024 mm. in diameter. These particles
 originate from the platinum surface, which undergoes transformation as a
 result of alternate oxidation and reduction, to yield loosely attached out-
 growths, readily carried away by the stream of gas. Adairson's theory of
 sublimation of platinum-hydrogen alloys (preceding abstract) is not supported
 by these findings.—B. G.

BC

B-I-8

Mechanism of oxidation of ammonia in presence of platinum. N. A. FIDUROVSKI (J. Appl. Chem. Russ., 1936, 9, 1925-1928).—Polemical, against Adalarov (B., 1937, 23). R. T.

HER-31A METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SUBCLASS	DETAILS
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
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1ST AND 2ND CODES										PROCESSING AND PROPERTIES MODES										3RD AND 4TH CODES									
ca Hydrostatic microbalance and its use in the study of kinetics of heterogeneous processes. N. A. Fikurovskii. <i>Zapiskiya Lab. S.</i> 335-40 (1937); cf. C. A. 30, 7479. — Construction and uses of a modified McBain glass microbalance in studies of the sorption of gases and liquids by solid and porous substances, kinetics of solvation, liquid ds., etc., are described. Illustrations. Chas. Blanc																													
ASB-55A METALLURGICAL LITERATURE CLASSIFICATION																													
1ST AND 2ND CODES										PROCESSING AND PROPERTIES MODES										3RD AND 4TH CODES									

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A-1

Simple appliance for sedimentometric analysis. N. A. FIMUROVSKI (J. Appl. Chem. Russ., 1937, 10, 1142--1148).—The rate of sedimentation of suspensions or emulsions is derived from the change in position of a glass rod or balance pan suspended in the solution on a flexible glass rod.

B. T.

ASB. SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUP	CLASS	SUBCLASS	DETAILS
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PROCESSING AND PROPERTY INDEX																									
1ST AND 2ND EDITIONS													3RD AND 4TH EDITIONS												
BC B-1-1 Appliance for determining apparent density of porous and fissured substances. N. A. Fomasevskiy (Izv. Akad. Nauk, 1938, 7, 800-801).—A pyknometer is described. R. T.																									
JIS-M-51.4 METALLURGICAL LITERATURE CLASSIFICATION																									
1ST AND 2ND EDITIONS													3RD AND 4TH EDITIONS												
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[illegible]

PROCESS AND PROPERTIES INDEX																									
BC Causes of loss of platinum in oxidation of ammonia with a platinum catalyst. II. N. A. Frounberg (J. Appl. Chem. Russ., 1938, 11, 1440-1448; cf. B., 1937, 338).—Certain parts of the surface of the constituent wires of Pt-glass catalyst undergo transformation, leading to an increase of up to 12 μ in the diameter of the wire. These transformed surfaces readily break down, to yield Pt particles 2.5–15 μ in diameter; these particles are carried away with the stream of gas, and loss in wt. of the gauze is ascribed exclusively to this factor. Sublimation of Pt at the temp. of reaction of NH_3 with O_2 is improbable. R. T.																									
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
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BC 2-1											
PROCESS AND PROPERTIES INDEX Kinetics of the mutual displacement of liquids from the pores of a porous body, and a characteristic of porosity. I. Mutual displacement of liquids in the absence of a meniscus. N. A. FICHOVSKI (J. Phys. Chem. Russ., 1938, 12, 619-633).—Charcoal was soaked in Et₂O and immersed in EtOH, and the alteration of its wt. with time was measured. Hence the pore size of the C was calc. Microscopical examination of the C shows that this calculation gives the correct order of magnitude. J. J. B.											
COMMON ELEMENTS OPEN MATERIALS INDEX J.S.B.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION 2-2											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> RESEARCH 1938-1940 </td> <td style="width: 50%; text-align: center;"> RESEARCH 1941-1942 </td> </tr> </table>										RESEARCH 1938-1940	RESEARCH 1941-1942
RESEARCH 1938-1940	RESEARCH 1941-1942										

1st AND 2ND COVER

PROCESSING AND PREPARATION

7

CA

A colorimetric method for determining small amounts of platinum in nitric acid and other products. N. A. Pignovskii. *Ann. sectent platine, Inst. chim. gen. (U. S. S. R.)* No. 15, 129-35(1938).—Standards are prepd. by mixing known amts. of H_2PtCl_6 and $SuCl_2$ and extg. the color with H_2O or H_2OAc . The standards should be entirely free from any of the aq. layer, but even in the best cases they keep only 10 days. Half-l. samples of HNO_3 are evapd. dry and the residue is carefully ignited and converted to H_2PtCl_6 by treatment with aqua regia and HCl before treatment exactly like the standards. Results are accurate to 5% and the method will detect 3×10^{-4} g. Pt.

U. M. Lewister

ASAC-51A METALLURGICAL LITERATURE CLASSIFICATION

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A

B-1

Determination of the distribution of pore-sizes in a porous body. N. A. FIGUROVSKI (Compt. rend. Acad. Sci. U.R.S.S., 1938, 20, 453-456).—The method described depends on measurement of the rate of displacement of a liquid from the porous body when it is immersed in a second liquid. A formula relating the rate of displacement to the porosity is given, and measurements of the displacement of Et₂O from charcoal by EtOH are recorded.

J. A. K.

ASH-SIA METALLURGICAL LITERATURE CLASSIFICATION

(Handwritten: CD)

PROCESSING AND PROPERTIES INDEX

Dispersion analysis of emulsions by the sedimentation method. N. A. Blazhenko. *Zashchita Lab. S. 66-73 (1939).*—An app. for the sedimentation analysis of emulsions consists of a quartz or glass spiral or a zig-zag spring whose deformation under load is utilized for hydrostatic weighing. An inverted cup is attached to the spring on a wire. The thickness of the spiral or spring is so selected that the sag at the start of the expn. should be about 1 cm. The height of the cup will depend on the concn. of the emulsion. The suspended cup is immersed in the agitated emulsion, care is taken not to trap any air bubbles under the cup. The initial sag is immediately recorded by a cathetometer or recording microscope and also the time. After that the time corresponding to the movements of the end of the balance on the recording scale is noted. The radii of the particles are computed from $r = \sqrt{\frac{9\eta}{2(D - d)g}} \sqrt{\frac{H + \Delta H}{t}}$ where η is viscosity of the dispersion medium; D and d are the sp. gr. of the dispersion phase and dispersion medium; $H + \Delta H$ is the distance from the plane of the cup to the bottom of the container; and t is the time. The calcns. are applicable only to emulsions contg. not over 8-10% emulsified phase. Emulsions contg. over 3% of emulsified phase form a layer of "cream" which introduces a slight error in the height of sepn. This error can be avoided by using conical-shaped cups. B. Z. K.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

REGION SYNOPTIC **REGION SEMI-D**

SUBGROUP #2 **SUBGROUP MFT GNY GSE** **SERIAL ONE** **SERIAL ONE GNY ISI**

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Sedimentation investigation of coarsely disperse systems. Influence of the concentration of the disperse phase on the distribution function of the particles in aqueous suspensions of barium sulfate in the presence of electrolytes. N. A. Figurovskij and V. N. Rozanova. <i>Acta Physicochim. U.S.S.R.</i> 11, 361-78(1939)(in German).—The size distribution of aq. 0.05-3.0% BaSO₄ suspensions as a function of concn. was detd. by means of a glass sedimentation balance. For suspensions free of all other ions, a 0.05 to 2% increase in the coarse fraction was noted in concd. suspensions, ascribed to self-coagulation. Foreign ions, such as Na⁺, Cl⁻, H⁺, SO₄²⁻, OH⁻, greatly accelerate coagulation in the more concd. suspensions. For low ratios of electrolyte to suspended phase, the effect of the former is reduced owing to its adsorption. P. H. Rathmann																																																																																																										
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Modern Methods of Sedimentation Analysis of Suspensions and Emulsions. Determination of Size and Distribution of Particles of Dispersed Systems from the Velocity of Settling. N. A. Prounovskii. Published by the Moscow branch of the Mendeleev Chemical Society, 1940. 173 pp. Price 7 R. *Khim. Referat. Zhur.*, 4 [2] 57 (1941); see "Simple . . .," *Ceram. Abs.*, 18 [9] 230 (1939). M.Ho.

FIGUROVSKIY, N. A.; ROZANOVA, V. N.

Physical Chemistry of Dispersion Systems Department, Colloids and Electrochemical Institute, Academy of Sciences USSR, Moscow, (-1939-).

"Sedimentometric Investigations of Coarse Dispersion (Grubodispersnyy Systems".

Zhur. Fiz. Khim., Vol. 14, No. 1, 1940.

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1A PRINCIPLE AND MECHANISM Sedimentometric analysis of suspensions and emulsions and its application in production control. M. A. Figurovskii. <i>Trudy Vsesoyuz. Konferentsii Anal. Khim.</i> 2, 300-418 (1943).—Sedimentometric analysis is the fastest and most reliable method of detn. of the degree of dispersion and stability of various dispersed systems. It can be used for systems of particle size 0.1-100.0 μ. The construction of the Sven Oden, Johnson, Rinde, and Svedberg automatic sedimentometers, the Goldschmidt hydrometric balance, and the Jolly balance adapted by Gushkov for sedimentometry is discussed. The Figurovskii glass or quartz hydrostatic balance, a very sensitive instrument, is described in detail. The principle of its construction is the elasticity of glass or quartz threads. The app. registers changes in wt. of 10^{-4}-10^{-5} g. In detn. of the dispersity of graphite powders, microscopic measurements gave greater contents than did gravimetric methods of coarse fractions in the range of particle size of 10 μ and above; below this size it gave lower contents of coarse fractions. The Camprade hydrometer gave higher contents of the fine fractions and lower contents of the coarse particles than did the gravimetric method. The glass sedimentary balance yielded more accurate results than were obtained with the microscope or the hydrometer. A new gravimetric method of centrifugal analysis was developed. The quantity of the ppt. deposited on the balance dish is detd. during the centrifuging process. The glass or quartz hydrostatic balance can be used also to det. the stability and dispersion of various emulsions and to construct a curve of the distribution of pores in porous substances. 25 references. W. R. Henn										2									
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A micromethod of sedimentometric analysis. N. A. Fikurovskii, *Zavodskaya Lab.* 13, 133-134 (1946). The paper describes methods used in the study of and taken by sedimentometric analysis, and presents expl. data characterizing the application of the micromethod of sedimentometric analysis for (a) the detn. of the true d. and wt. of suspension or emulsion particles, (b) the detn. of the thickness of protective films formed on the surface of dispersed systems by stabilizers and emulsifiers, and (c) the detn. of the distribution function of highly dispersed substances. The true d. of suspended particles is given by $D = (0.002/2^2) + d$ (D is the true d. of each particle, η the viscosity of the dispersed system, v the sedimentation velocity of the particle, detd. experimentally, d the d. of the dispersed system, and r the radius of the particles detd. in the microscope). For practical purposes the method can be used to control the quantities of stabilizers to be added in the production of tech. suspensions and emulsions. Fifteen references. W. R. H.

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Nature and thickness of protective layers of emulsions on the surface of emulsion droplets. N. A. Fikurovskii and M. F. Putran. *Kolloid. Zhav.* 9, 502-3 (1947).
 The rates of rise of fine droplets of oil in emulsion in water were observed under the microscope, in the absence and in the presence of a protective emulsifier. In its absence, the rate of rise is $V = 2r^2(D - d)g/9\eta$, where r = radius of the droplet, D its d , d = d of the medium, η = its viscosity. In the presence of a layer at the surface, the radius of the droplet becomes $\rho = r + \Delta r$, and the rate of rise W is detd. by the condition of stationariness $6\pi\eta W = (4/3)\pi r^2(D - d)g$, whence $W\rho = Vr$. Graphic evaluation of measurements on emulsions with droplet radii

Ranging from 2 to 30 μ gave the following approx. values for the effective thickness Δr of the protective envelopes: in the presence of 0.1% Na oleate, 0.25-0.3 μ ; 0.82% Na oleate, 0.5-0.55 μ ; 0.1% saponin, 0.2-0.25 μ ; 0.82% saponin, 0.5-0.9 μ . These thicknesses are effective; i.e. no allowance is made for possible differences between the d of the envelopes and that of the water. N. Thon...

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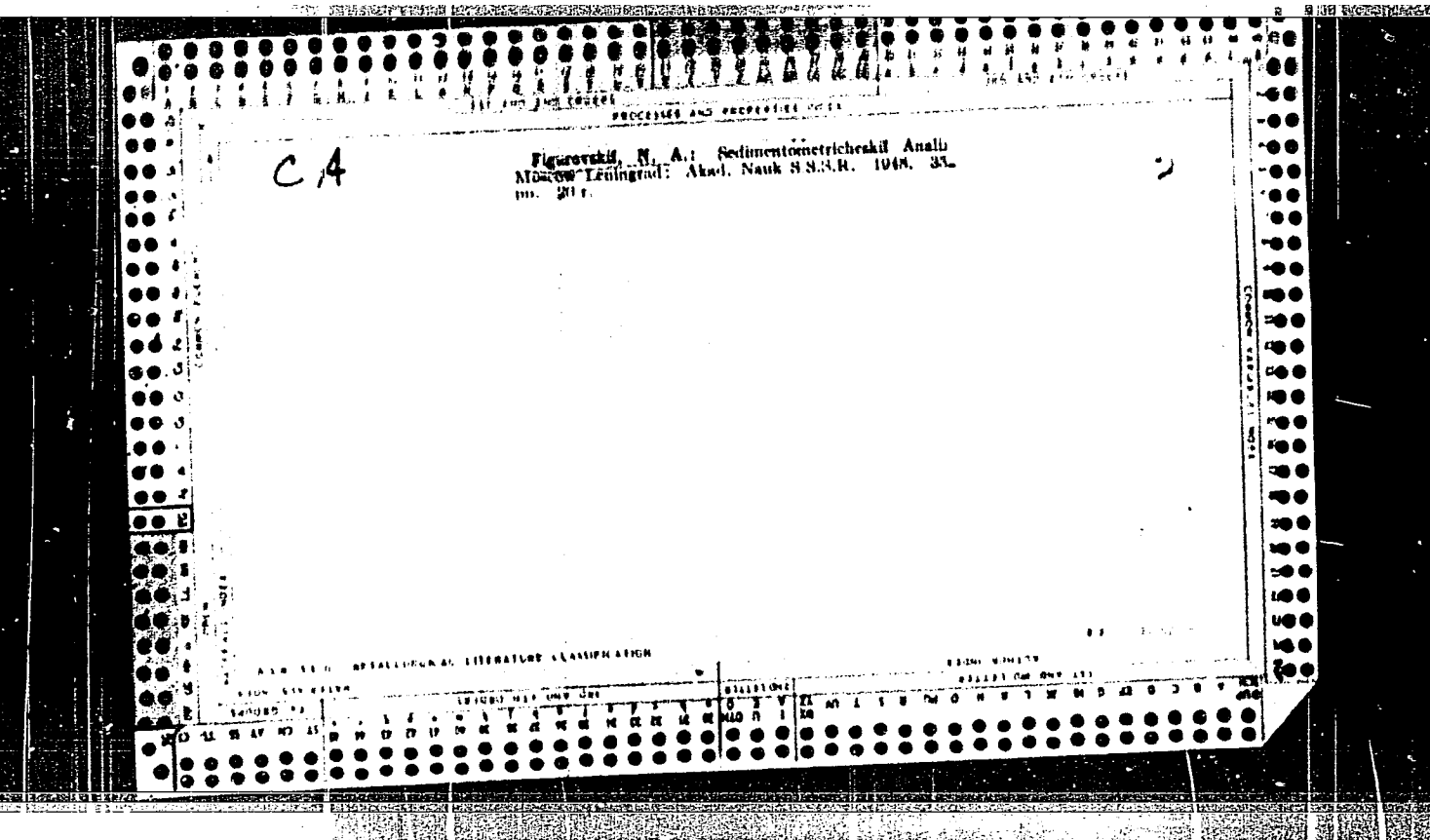
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12 to 15 May 1948, Moscow, first conference was held on history of Soviet chemistry, convened by Commission on the history of chemistry, Acad. Sci. USSR. Many papers were presented by (ostensibly) members of this Commission.

"Some Tasks for Soviet Students of Chemistry"

"Materials on the History of Soviet Chemical Science," published by Acad Sci USSR in Moscow-Leningrad 1950.



FIGUROVSKIY, N. A.

Figurovskiy, N. A. "The tasks of the Soviet historians of chemistry in the struggle against teadyism toward Western science," Trudy in-ta istorii yestestvoznaniya (akad. nauk SSSR), Vol. III, p. 28-44, 1949

SO: U-5241, 17 December 1953, (Letopis 'Zhurnal 'nykh Statey, No. 26, 1949)

"APPROVED FOR RELEASE: 06/13/2000

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FIGUROVSKIY, N.

23017 Vklad russkiki i sovetskikh khimikov v mirovutu nauku. Kul't. - Prosvet.
Rabota, 1949, No. 7, C. 12-19

SO: LETOPIS' NO. 31, 1949

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Method for Complete Dispersion Analysis of Poly-dispersed Porous Bodies. (In Russian.) N. A. Figurov.

Zh. Zarodkaya Laboratoriya (Factory Laboratory), v. 15, Apr. 1949, p. 423-430.

Describes method for determination of porosity of above. Study of kinetic mutual displacement of two miscible liquids from individual capillaries permits establishment of laws characterizing this process, used as a basis for the method described.

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SECTION FORTY-SIX HUNDRED-SIX

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SECTION FORTY-SIX HUNDRED-EIGHT

CA

2

M. V. Lomonosov—founder of chemical sciences. N. A.
Pisarenko. *Vostochnyye Universit. S. No. 8, Ser. Fiz.-
Mat. i Ekst. Nauk No. 8, 27-30(1980).*—Biography and
summary of scientific and chem. work. . . . G. M. K.

CA

2

Regulation of dispersion of barium sulfate precipitate by
organic addends. N. A. Pilyutskii and N. N. Ushakova
(Moscow State Univ.). *Zashchita. Lab.* 16, 1003-71
(1980).—Increase of particle size and narrowing of the range
of the disperse state of BaSO_4 can be achieved by addn. to
the soln. of several org. substances, including picric acid,
pyrroline, and salicylic acid. Na oleate leads to particle-
size increase accompanied by coagulation of the highly dis-
perse portion of the ppt. (I. M. Kosolapoff

FIGUROVSKIY, N. A.

Our country- the fatherland of advanced chemical science; lecture Moskva, Znanie,
1951. 30 p. (54-17635)

QD18.R9F49

1. FIGUROVSKIY, N. A.
2. USSR (600)
3. Lomonosov, Mikhail, Vasil'evich, 1711-1765
4. Founder of Russian science.
Nauka i zhizn' - No. 11 - 1954.

9. Monthly List of Russian Acquisitions, Library of Congress, February, 1953. Unclassified.

FIGUROVSKIY, N. A.

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183714

and steam activation. In addn to various types of charcoal, Zelinskij investigated carbon from starch, carbon black, petroleum coke, peat coke, various grades of coal, graphites, etc. According to author, Zelinskij's work laid basis for modern activated carbon industry.

USSR/Chemistry - Chemical Warfare
(Contd)

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Describes N. D. Zelinskij's invention in 1915 of gas mask filled with activated carbon and its adoption by armies of principal belligerents in World War I. Zelinskij rejected charcoal activated with fusel oil (by-product of alc manuf) as too expensive and took recourse to chem (K_2CO_3 , $FeCl_3$)

"Kolloid Zhur" Vol XIII, No 3, pp 153-156
"Use of Carbon in Gas Masks, a Remarkable Russian Invention (on the 90th Birthday of Academician N. D. Zelinskij)," N. A. Figurovskiy
USSR/Chemistry - Chemical Warfare
May/Jun 51

FIGUROVSKIY, M.A. *a*

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65.431

Ocherk Vozniknoveniya i razvitiya ugol'nogo protivogaza M. D. Zelinskogo
(Outline of the Origin and Development of the M. D. Zelinskiy Charcoal Gas
Mask) Moskva, Akademkniga, 1952.

201r. illus., diagrs.

At head of title: Akademiya Nauk SSSR. Institut Istorii Yestestvoznaniya.

FIGUROVSKIY, N.A.

Concerning the annals about a Russian alchemist of the 16th century.
Trudy Inst.ist.est. 4:445-449 '52.

(MLHA 6:7)

(Alchemy)

1. FIGUROVSKIY, N. A.
2. USSR (600)
4. Mondeleev, Dmitrii Ivanovich, 1834-1907
7. "D. I. Mendeleyev archive." Vol. 1, Reviewed by N. A. Figurovskiy. Sov.kniga no. 12 1952.

9. Monthly Lists of Russian Accessions; Library of Congress, March 1953, Unclassified.

FIGUROVSKIY, N. A. and USHAKOVA, N. N.

"Changes in the Degree of Dispersion of Barium Sulfate Precipitates
Depending on the Concentration of the Reacting Compounds," Zavodskaya Laboratoriya,
Vol 8, 1952, pp 936-941, Apteknoye Delo of March-April 1953.

ARBUZOV, A.Ye., akademik; KAZANSKIY, B.A., akademik; PETROV, A.D., chlen-korrespondent AN SSSR; NIKITIN, N.I., chlen-korrespondent AN SSSR; FIGUROVSKIY, M.A., professor, otvetstvennyy redaktor; POGODIN, S.A., professor; ZVYAGINTSEV, O.Ye., professor; YEVSEYEV, P.M., uchenyy sekretar'.

[Materials on the history of Soviet chemistry; reports given at the 2nd All-Union Conference on the History of Soviet Chemistry, 21-26 April 1951]
Materialy po istorii otechestvennoi khimii; sbornik dokladov na vtorom Vsesoiuznom soveshchanií po istorii otechestvennoi khimii, 21-26 aprelya 1951 g. Moskva, Izd-vo Akademii nauk SSSR, 1953. 318 p. (MLRA 7:4)
(Chemistry--History)

1. FIGUROVSKII, N. A., Prof.
2. USSR (600)
4. Chemistry, Technical
7. Principal stages of development of chemical sciences in the U.S.S.R., Priroda 42, no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

NIKITIN, N.I., otvetstvennyy redaktor; FIGUROVSKIY, N.A., doktor
khimicheskikh nauk, redaktor; BARZAKOVSKIY, V.P., doktor khi-
micheskikh nauk, redaktor.

[Materials on the history of Russian chemistry; reports made at
meetings of the Leningrad branch of the Commission on the History
of Chemistry] Materialy po istorii otechestvennoi khimii; doklady,
zaslushannyye na zasedaniyakh leningradskogo filiala Komissii istorii
khimii. Moskva, Izd-vo Akad. nauk SSSR, 1954. 122 p. (MLRA 8:1)

1. Chlen-korrespondent Akademii nauk SSSR. 2. Akademiya nauk SSSR.
Otdeleniye khimicheskikh nauk.
(Chemistry--History)

FIGUROVSKIY, N.A.

GADOLIN, A.V.; ANSHELES, O.M., redaktor; SHAFRANOVSKIY, I.I., redaktor;
FRANK-KAMENETSKIY, V.A., redaktor; SAZONOV, I.S., redaktor; PETROV-
SKIY, I.G., akademik, redaktor; ANDRUYEV, N.N., akademik, redaktor;
BYKOV, K.M., akademik, redaktor; KAZANSKIY, B.A., akademik, redaktor;
OPARIN, A.I., akademik, redaktor; SHMIDT, O.Yu., akademik redaktor;
SHCHERBAKOV, D.I., akademik, redaktor; YUDIN, P.F., akademik,
redaktor; KOSHTOYANTS, Kh.S., redaktor; MAKSIMOV, A.A., redaktor;
SAMARIN, A.M., redaktor; LEBEDEV, D.M., doktor geograficheskikh nauk,
redaktor; FIGUROVSKIY, N.A., doktor khimicheskikh nauk, redaktor;
KUZNETSOV, I.V., kandidat filosofskikh nauk, redaktor; OZNOBISHIN,
D.V., kandidat istoricheskikh nauk, redaktor; SMIRNOVA, A.V.,
tekhnicheskij redaktor

[Development of all crystallographic systems and their subdivisions
from a common origin] Vyvod vseh kristallograficheskikh sistem i ikh
podrazdelenii iz odnogo obshchego nachala. Redaktsiya i primechania
O.M.Anshelesa, I.I.Shafranovskogo, V.A.Frank-Kamenetskogo. [Leningrad]
Izd-vo Akademii nauk SSSR, 1954. 155 p. (MLRA 7:10)

1. Chlen-korrespondent AN SSSR (for Koshtoyants, Maksimov, Samarin)
(Crystallography)

TURCHENKO, Ya.I.; FIGUROVSKIY, N.A., redaktor.

Nikolai Nikolaevich Beketov. Moskva, Izd-vo Akademii nauk SSSR,
1954. 206 p. (MIRA 7:11)
(Beketov, Nikolai Nikolaevich, 1827-1911)

FIGUROVSKIY, N.A.

AMPERE, Andre Marie, 1775-1836; DORFMAN, Ya.G., professor redaktor; ZAYCHIK, N.K., redaktor; PETROVSKIY, I.G., akademik, redaktor; ANDREYEV, N.H., akademik, redaktor; BYKOV, K.M., akademik, redaktor; KAZANSKIY, B.A., akademik, redaktor; OPARIN, A.I., akademik, redaktor; SHMIDT, O.Yu., akademik, redaktor; SHCHERBAKOV, D.I., akademik, redaktor; YUDIN, P.F., akademik, redaktor; KOSHTOYANTS, Kh.S., redaktor; MAKSIMOV, A.A., redaktor; SAMARIN, A.M., redaktor; LEBEDEV, D.M., doktor geograficheskikh nauk, redaktor; FIGUROVSKIY, N.A., doktor khimicheskikh nauk, redaktor; KUZNETSOV, I.V., kandidat filosofskikh nauk, redaktor; OZNOBISHIN, D.V., kandidat istoricheskikh nauk, redaktor; SMIRNOVA, A.V., tekhnicheskii redaktor

[Electrodynamics] Elektrodinamika. Redaktsiya, stat'i i primechania I.A.G.Dorfmana. [Leningrad] Izd-vo Akademii nauk SSSR, 1954. 492 p. (MLRA 7:10)

1. Chlen-korrespondent AN SSSR (for Koshtoyants, Maksimov, Samarin) (Electrodynamics)

FIGUROVSKIY, N.A.

BREDIKHIN, F.A.; DUBIAGO, A.D.; ORLOV, S.V., redaktor; GUROV, K.P., redaktor; PETROVSKIY, I.G., akademik, redaktor; ANDREYEV, N.E., akademik, redaktor; BYKOV, E.M., akademik, redaktor; KAZANSKIY, B.A., akademik, redaktor; OPARIN, A.I., akademik, redaktor; SHMIDT, O.Yu., akademik, redaktor; SHCHEERAKOV, D.I., akademik, redaktor; YUDIN, P.F., akademik, redaktor; KOSHTOYANTS, Kh.S., redaktor; SAMARIN, A.M., redaktor; MAKSIMOV, A.A., LEBEDEV, D.M., doktor geograficheskikh nauk, redaktor; FIGUROVSKIY, N.A., doktor khimicheskikh nauk, redaktor; KUZNETSOV, I.V., kandidat filosofskikh nauk, redaktor; OZNOBISHIN, D.V., kandidat istoricheskikh nauk, redaktor; ZELENKOVA, Ye.V., tekhnich. red.

[Studies on meteors] Etudy o meteorakh. Stat'ia i kommentarii A.D.Dubiago. Red. S.V.Orlova. Moskva, Izd-vo Akademii nauk SSSR, 1954. 606 p.
(MIRA 7:12)

1. Chlen-korresp. AN SSSR (for Orlov, Koshtoyants, Samarin, Maksimov)
(Meteors)

FIGUROVSKIY, N.A.
VESALIUS, Andreas;

TERNOVSKIY, V.N., redaktor, [translator]; SHESTAKOV, S.P., [translator]; PAVLOV, I.P., akademik; PETROVSKIY, I.G., akademik, redaktor; BYKOV, K.M., akademik, redaktor; KAZANSKIY, B.A., akademik, redaktor; OPARIN, A.I., akademik, redaktor; SHMIDT, O.Yu., akademik, redaktor; ANDREYEV, N.N., akademik, redaktor; KOSHTOYANTS, Kh.S., redaktor; SAMARIN, A.M., redaktor; MAKSIMOV, A.A., redaktor; SHCHERBAKOV, D.I., akademik, redaktor; YUDIN, P.F., akademik, redaktor; LEBEDEV, D.M., doktor geograficheskikh nauk, redaktor; FIGUROVSKIY, N.A., doktor khimicheskikh nauk, redaktor; KUZNETSOV, I.V., kandidat filosofskikh nauk, redaktor; OZNOBISHIN, D.V., kandidat istoricheskikh nauk, redaktor; SHIDLOVSKAYA, O.G., redaktor; RUDNEVA, O.A., redaktor; KISELEVA, A.A., tekhnicheskii redaktor.

[Structure of the human body; in 7 books] O stroenii chelovecheskogo tela; v semi knigakh. Perevod s latinskogo V.N.Ternovskogo i S.P.Shestakova. Red. V.N.Ternovskogo. Posleslovie I.P.Pavlova. [Moskva] Izd-vo Akademii nauk SSSR. Vol. 2. 1954. 960 p. (MLRA 7:11)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Ternovskiy)
2. Chlen-korrespondent Akademii nauk SSSR (for Shestakov, Koshtoyants, Samarin, Maksimov)
(Anatomy, Human--Early works to 1800)

FIGUROVSKIY, N.A.; SOLOV'YEV, Yu.I.

~~XXXXXXXXXXXX~~
Aleksei Ivanovich Khodnev. Trudy Inst. ist. est. i tekhn. no.2:
19-45 '54. (MIRA 8:9)
(Khodnev, Aleksei Ivanovich, 1818-1883)

FIGUROVSKIY, N.A.; MUSAREKOV, Yu.S.

L.N. Shishkov, outstanding Russian chemist. Trudy Inst. 1st. est.
1 tekhn. no. 2:46-66 '54. (MLRA 8:9)
(Shishkov, Leon Nikolaevich, 1830-1930)

USSR .

The boiling point of pharmaceutical infusions as a means
of determining their alcohol content. V. M. Bashilova and
N. A. Figurovskii. *Aptekarskoe Delo* 3, No. 8, 41-4 (1964).
The b. pt. of alc. infusions and exts. are the same as those
of alc.-H₂O mixts. of the same concn. The error was 1%.
A. S. Mirkina.

FIGUROVSKIY, N. A.

USSR/Chemistry - Physical chemistry

Card 1/1 : Pub. 147 - 16/21

Authors : Figurovskiy, N. A., and Komarova, T. A.

Title : Investigation of the crystallization kinetics of salts from supersaturated solutions. Part 1.- The kinetics of growth of single crystals

Periodical : Zhur. fiz. khim. 8, 1479-1488, Aug 1954

Abstract : The kinetics of the growth of single $KAl(SO_4)_2 \cdot 12H_2O$ and $CuSO_4 \cdot 5H_2O$ crystals were investigated under conditions of constant reducing supersaturation. A certain parabolical dependence existing between the rate of salt crystallization and the relative supersaturation is described. It was established that the role of individual parameters, which determine the rate of crystallization, can be determined only in conditions when the effect of other factors is either eliminated or accurately defined. Nine references: 7-USSR and 2-German (1907-1950). Tables; graphs.

Institution : The M. V. Lomonosov State University, Moscow

Submitted : January 1, 1954

AID P - 1020

Subject : USSR/Chemistry

Card 1/1 Pub. 119 - 5/8

Author : Figurovskiy, N. A. (Moscow)

Title : Unpublished letter of J. Liebig concerning A. A. Voskresenskiy

Periodical : Usp. khim., 23, no. 4, 507-508, 1954

Abstract : Text of this letter and a brief historical outline of Russian university life in the early 19th century. Five references (Russian: 1892-1925).

Institution : None

Submitted : No date

FIGUROVSKIY, N. A.

U.S.S.R.

/ Kinetics of crystallization of salts from supersaturated solutions. I. Kinetics of growth of single crystals. N. A. Figurovskii and T. A. Komarova (M. V. Lomonosov State Univ., Moscow). Zhur. Fiz. Khim. 28, 1479-85 (1954); cf. F., Sedimentometricheskii Analiz, Moscow: Acad. Sci. U.S.S.R., 1948.—The rates of crystn. from their supersatd. solns. of $KAl(SO_4)_2 \cdot 12H_2O$ (I) and $CuSO_4 \cdot 5H_2O$ (II) were detd. The initial wt. (P) of crystal (c.), relative supersatn. of soln. (x), rate of increase of c. wt. (ΔP) in g. per min. per sq. cm. of calcd. c. surface (S), and the coeffs. B_0 , B_1 , and B_2 in the equation $\Delta P = B_0 + B_1x + B_2x^2$, by which the increase of c. wt. in a given time (t) can be calcd., are tabulated for initial c. wts. from 0.0433 to 0.8644 g. for I and from 1.3670 to 3.1668 g. for II. ΔP is also plotted with respect to t . Values of $\Delta P_i/S\Delta t$ for I and II can be calcd. from the equations $10^4 \Delta P_i/S\Delta t = 0.100 + 1.025x + 2.57x^2$ and $10^4 \Delta P_i/S\Delta t = 0.0300 + 0.538x + 15.0x^2$, resp., where ΔP_i is the increase of c. wt. in the interval Δt . It is suggested that the crystn. of I and II is a 2nd-order process described by the equation $\Delta P_i/S\Delta t = kx^2$, where k is 0.0055 for I and 0.016 for II. Values of B_0 , B_1 , and B_2 are given for I under conditions of decreasing supersatn. For these conditions the equation for the rate of c. growth is $10^4 \Delta P_i/S\Delta t = 0.380 + 0.06824x + 1.37x^2$. J. W. L., Jr.

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increases with decrease of N from 10^4 to 10^3

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"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413010020-0

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000413010020-0"

KUZNETSOV , I.V., redaktor; KOLUBTSOVA, V.A., redaktor; GRIGOR'YAN,
A.T., redaktor; ZUBOV , V.P., redaktor; SOTIN , B.S., redaktor;
FIGUROVSKIY, N.A., redaktor; SHUKHARDIN, S.V., redaktor;
~~TUSHKEVICH, A.P., redaktor;~~ DOBRONRAVOVA, A.O., redaktor;
ALEKSEYEVA, T.V., tekhnicheskij redaktor.

[History of the science and technology of China; a collection
of articles] In istorii nauki i tekhniki Kitaia; sbornik;
stat'ei, Moskva, Izd-vo Akademii nauk SSSR, 1955. 181 p.

(MLRA 8:10)

1. Akademiya nauk SSSR. Institut istorii yestestvoznaniya i
tekhniki.

(China--Science--History) (China--Technology--History)

SOLOV'YEV, Yu.I.; FIGUROVSKIY, N.A., redaktor, professor; NEVRAYEVA, N.A.,
tekhnicheskiiy redaktor

[Sketches of the history of physico-chemical analysis] Ocherki
istorii fiziko-khimicheskogo analiza. Moskva, Izd-vo Akademii nauk
SSSR, 1955. 220 p. (MLRA 8:7)
(Chemistry, Analysis)

KUZNETSOV, B.G.; FIGUROVSKIY, N.A., professor, redaktor; VESHELOVSKIY,
I.N., redaktor; ZELIYAKOVA, T.O., tekhnicheskiy redaktor.

[The evolution of scientific concepts on the universe in 17th
to 18th century physics] Razvitie nauchnoi kartiny mira v
fizike XVII-XVIII vv. Moskva, Izd-vo Akademii nauk SSSR. 1955.
343 p. (MLRA 8:12)

(Physics)

FIGUROVSKIY, N.A.

STAROSKEL'SKAYA-NIKITINA, O.A.; KRASNOKHOVA, O.V.; MAKAROVA, V.I.; KAMINER, L.V.; PIL'SHCHIKOVA, P.V.; GRIGOR'YAN, A.T., redaktor; IVANOV, D.D., redaktor; FIGUROVSKIY, N.A., redaktor; ANTONYUK, L.D., redaktor; SOKOLOVA, T.F., tekhnicheskiiy redaktor

[History of the natural sciences; literature published in the U.S.S.R. (1948-1950)] Istoriiia estestvoznaniia; literatura, opublikovannaia v SSSR (1948-1950). Otvetstvennye redaktory: A.T.Grigor'ian, D.D.Ivanov, N.A.Figurovskii. Moskva, Izd-vo Akademii nauk SSSR, 1955. 395 p. (MLA 8:7)

(Bibliography--Science--History)

LOVITS, Tovi Yegorovich, 1757-1804 akademik; FIGUROVSKIY, M.A. redaktor
KATRENKO, D.A., redaktor; MOSVICHEVA, N.I., tekhnicheskiy redaktor

[Selected works on chemistry and chemical technology] Izbrannye
trudy po khimii i khimicheskoi tekhnologii. Redaktsiya, stat'i i
primechania M.A. Figurovskogo. Moskva, Izd-vo Akademii nauk
SSSR, 1955. 618 p. (Klassiki nauki) (MLBA 8:8)
(Chemistry)

MARKOVNIKOV, V.V.; PLATE, A.F., doktor khimicheskikh nauk, redaktor;
BYKOV, G.V., kandidat khimicheskikh nauk, redaktor; PETROVSKIY,
I.B., akademik, redaktor; BYKOV, K.M., akademik, redaktor; KAZAN-
SKIY, B.A., akademik, redaktor; SHMIDT, O.Yu., akademik, redaktor;
ANDRIYEV, N.N. akademik, redaktor; SHCHERBAKOV, D.I., akademik,
redaktor; YUDIN, P.F., akademik, redaktor; DELONE, B.N., redaktor
KOSHTOYANTS, Kh, S., redaktor; SAMARIN, A.M., redaktor, LEBEDEV,
D.M., professor, redaktor; FIGUROVSKIY, N.A., professor, redaktor;
KUZNETSOV, I.V., kandidat filologicheskikh nauk, redaktor; STERLI-
GOV, O.D., redaktor; ZEMLYAKOVA, T.A., tekhnicheskii redaktor

[Selected works] Izbrannye trudy. Redaktsiya, stat'i i primechania
A.F. Plate i G.V. Bykova, Moskva, Izd-vo Akademii nauk SSSR 1955.
926 p. (MLRA 8:10)

1. Chlen-korrespondent AN SSSR (for Delone, Koshtoyants, Samarin)
(Chemistry) (Markovnikov, Vladimir Vasil'evich 1837-1904)

FIGUROVSKIY, N. A.

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Khimiya V Moskovskom Universitete Za 200 Let (1755-1955) (Chemistry
in Moscow University for 200 years (1755-1955) by) N. A. Figurovskiy,
G. V. Bykov (1) T. A. Komarova. (Kratkiy Istoricheskiy Ocherk)
Moscow, Izd-Vo Moskovskogo Universiteta, 1955.
141 P. Illus., Ports.
At Head of Title: Moscow. Universitet.
Bibliographical Footnotes.

FIGUROVSKIY, N.A.

M.V. Lomonosov's work in chemistry and its significance for the
development of science. Trudy Inst.ist.est.i tekhn. vol.6:9-27
'55. (MLBA 9:5)

(Lomonosov, Mikhail Vasil'evich, 1711-1765)

FIGUROVSEIY, N.A. (Moscow)

Two-hundredth anniversary of M.V. Lomonosov's Moscow State University.
Khim.v shkole 10 no.3:51-62 My-Je '55. (MLRA 8:8)
(Moscow University)

FIGURE 1, N 8

USSR

The mechanism of the action of electrolytes on coarse suspensions. N. A. Fikuravskii and A. V. Seregin (M. V. Lomonosov State Univ., Moscow). *Kolloid. Zhur.* 17, 140-141 (1955).—The frequency distribution (detd. sedimentometrically) of suspensions of glass powder (with the most frequent diam. $d = 7 \mu$), BaSO_4 ($d = 15 \mu$), and Al_2O_3 ($d = 14 \mu$) was shifted toward coarser particles by electrolytes (HCl , NaOH , NaCl , and AlCl_3 for glass, and AlCl_3 only for BaSO_4 and Al_2O_3). However, as long as the electrolyte concn. was small, the initial size distribution was almost restored on standing for a few hrs. No restoration occurred, however, in 0.015M HCl and in 0.33M NaOH (for glass). Presumably, the restoration is caused by the mutual repulsion of elec. double layers on those parts of the solid surfaces that were less affected by the electrolyte added. Also in *Colloid J.* 17, 127-31 (1955) (Engl. translation). I. F. Bikerman.

FIGURE 2, N 11

Effect of orthokinetic coagulation on the destruction of coarse suspensions. A. V. Seregin and N. A. Fikuravskii (M. V. Lomonosov State Univ., Moscow). *Kolloid. Zhur.* 17, 247-51 (1955).—Following Purkin (C. A. 21, 1831), an equation was derived for calcg. the rate of orthokinetic coagulation if the size distribution of the original suspension, the ratio of the masses of a fine fraction before and after coagulation, and the sedimentation time of a medium fraction are known. The equation was confirmed for a glass suspension during both rapid and slow coagulation by BaCl_2 . Also in *Colloid J. USSR* 17, 223-31 (1955) (Engl. translation). I. F. Bikerman.

FIGUROVSKIY, N.A.

Physical chemistry at Moscow University during the last 200 years.
Zhur.fiz.khim.29 no.5:753-759 My'55. (MLRA 8:12)
(Moscow University) (Chemistry, Physical and theoretical--Study
and teaching)

FIGUROVSKIY, Nikolay Aleksandrovich; POGODIN, S.A., otvetstvennyy redaktor;
USHAKOVA, N.N., redaktor izdatel'stva; ASTAF'YEVA, G.A., tekhnicheskiiy redaktor

[A remarkable Russian invention; the 40th anniversary of the invention of the coal gas mask by N.D.Zelinskii] Zamechatel'noe russkoe izobretenie; k 40-letiiu izobretenia ugol'nogo protivogaza N.D. Zelinskogo. Moskva, Izd-vo Akademii nauk SSSR, 1956. 51 p. (MLRA 9:7)
(Gas masks) (Zelinskii, Nikolai Dmitrievich, 1861-1953)

TEREKHOV, P.G.; KOSHTOYAN'S, Kh.S., otvetstvennyy redaktor; BONDARENKO, N.P.,
redaktor; MOLCHANOVA, O.P., redaktor; SOROKIN, Yu.N., redaktor;
FIGUROVSKIY, H.A., redaktor; SHAPIRO, F.B., redaktor izdatel'stva;
SIMKINA, Ye.N., tekhnicheskii redaktor

[Heritage of science] Nauchnoe nasledstvo. Moskva. Vol.3. [Ivan
Mikhailovich Sechenov; unpublished works, notes and papers] Ivan
Mikhailovich Sechenov; neopublikovannye raboty, perepiska i dokumenty.
1956. 280 p. (MLRA 9:8)

1. Akademiya nauk SSSR. Institut istoriiyestestvoznaniya i tekhniki.
(Sechenov, Ivan Mikhailovich, 1829-1905)